

ABSTRACT

5 A method for selecting a channel of interest from a plurality of
communication channels which carry audio or video information, by: extracting
image or sound characteristic data from said audio or video information,
searching for specific content of interest based on said image or sound
characteristic data and selecting a channel based on said content of interest is
described. Image and sound characteristic data are stored on a content-based
10 channel search server, which includes video search engines capable of
matching attributes related to user interest profiles with data corresponding to
current content of multiple channels. Users interact with the server via client
terminals, which communicate with the server using the Internet protocol. Client
terminal receive search results corresponding to matches between channel
15 content and user profile. The client terminal controls a variety of viewing,
recording and logging devices.

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